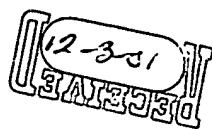


Applicant: Asami et al.
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PATENT
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B3 Cont. operating in accordance with a program for controlling each of the gas analyzers.

5. (Amended) A method for controlling a gas analyzer system, said method comprising:

providing the gas analyzer system including a plurality of gas analyzers each having a gas analyzer unit with a plurality of outputs for analyzing a respective gas, a plurality of AD converters each having a plurality of inputs respectively connected to the outputs of the gas analyzer unit according to a connection condition, an internal bus connected to an output of each AD converter, and a memory unit connected to the internal bus for storing a connection condition table which includes information for the connection condition;

providing an analyzer processing unit including a CPU connected to a CPU bus such that said CPU bus is connected to the internal bus of each of the gas analyzers;

reading with said CPU the connection condition table stored in the memory unit of the gas analyzers;

reading with said CPU a signal input to the AD converter in the gas analyzers in accordance with the connection condition table stored in the memory unit, thereby reading out the input from the gas analyzer unit which outputs respectively different signals.

10. (New) Control apparatus for a gas analyzer system, the gas analyzer system including a plurality of gas analyzers each having gas analyzer units and sensors for analyzing a respective gas, a plurality of AD converters each having a plurality of inputs respectively connected to the outputs of the gas analyzer units and sensors, and an analyzer processing unit connected to the plurality of gas analyzers, the control apparatus comprising:

B3 Cont. a CPU capable of controlling;

a CPU bus to connect the CPU, each gas analyzer, and the plurality of AD converters;